ABSTRACT

A method of run-time reconfiguration of a programmable unit is provided, the programmable unit including a plurality of reconfigurable function cells in a multidimensional arrangement. An event is detected. The source of the detected event is determined, and an address of an entry in a jump table is calculated as a function of the source of the event, the entry storing a memory address of a configuration for a reconfigurable function cell. The entry is retrieved and a state of a corresponding reconfigurable cell is determined. If the reconfigurable cell is in a reconfiguration state, the reconfigurable cell is reconfigured as a function of the configuration data. If the reconfigurable cell in not in reconfiguration state, the configuration data is stored in a FIFO.

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